

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

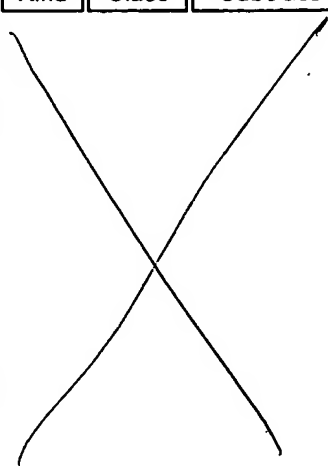
Title of Invention	METHODS AND COMPOSITIONS FOR WHOLE GENOME AMPLIFICATION AND GENOTYPING																																																																
<p>Application Number: 10/600634</p> <p>Confirmation Number: 7176</p> <p>First Named Applicant: Kevin Gunderson</p> <p>Attorney Docket Number: 01-00003</p> <p>Art Unit: 1632</p> <p>Search string: (5043272 or 5130238 or 5137806 or 5455166 or 5561044 or 5616464 or 5624825 or 5648211 or 5712124 or 5731171 or 5767259 or 5773257 or 5846710 or 5888819 or 5955268 or 5968740 or 6004744 or 6013431 or 6023540 or 6124120 or 6150095 or 6153379 or 6191267 or 6200737 or 6203989 or 6214587 or 6268152 or 6280954 or 6287768 or 6287776 or 6288220 or 6291187 or 6291193 or 6297006 or 6327410 or 6355431 or 6355433 or 6429027 or 6448010 or 6524793 or 6531283 or 6537748 or 6607888 or 6617137 or 20020094525 or 20020102578 or 20020001801 or 20030082590 or 20030087298 or 20030096235 or 20030096986 or 20030118998 or 20030143587 or 20030104431).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>ANG</td><td>1</td><td>5043272</td><td>1991-08-27</td><td>Hartley</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>5130238</td><td>1992-07-14</td><td>Malek</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>5137806</td><td>1992-08-11</td><td>LeMaistre</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>5455166</td><td>1995-10-03</td><td>Walker</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>5561044</td><td>1996-10-01</td><td>Walker</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>5616464</td><td>1997-04-01</td><td>Albagli</td><td></td><td></td><td></td></tr><tr><td>↓</td><td>7</td><td>5624825</td><td>1997-04-29</td><td>Walker</td><td></td><td></td><td></td></tr></tbody></table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	ANG	1	5043272	1991-08-27	Hartley					2	5130238	1992-07-14	Malek					3	5137806	1992-08-11	LeMaistre					4	5455166	1995-10-03	Walker					5	5561044	1996-10-01	Walker					6	5616464	1997-04-01	Albagli				↓	7	5624825	1997-04-29	Walker			
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass																																																										
ANG	1	5043272	1991-08-27	Hartley																																																													
	2	5130238	1992-07-14	Malek																																																													
	3	5137806	1992-08-11	LeMaistre																																																													
	4	5455166	1995-10-03	Walker																																																													
	5	5561044	1996-10-01	Walker																																																													
	6	5616464	1997-04-01	Albagli																																																													
↓	7	5624825	1997-04-29	Walker																																																													

AMB	8	5648211	1997-07-15	Fraiser
↑	9	5712124	1998-01-27	Walker
	10	5731171	1998-03-24	Bohlander
	11	5767259	1998-06-16	Albagli
	12	5773257	1998-06-30	Nielson
	13	5846710	1998-12-08	Bajaj
	14	5888819	1999-03-30	Goelet
	15	5955268	1999-09-21	Granados
	16	5968740	1999-10-19	Fodor
	17	6004744	1999-12-21	Goelet
	18	6013431	2000-01-11	Soderlund
	19	6023540	2000-02-08	Walt
	20	6124120	2000-09-26	Lizardi
	21	6150095	2000-11-21	Southern
	22	6153379	2000-11-28	Caskey
	23	6191267	2001-02-20	Kong
	24	6200737	2001-03-13	Walt
	25	6203989	2001-03-20	Goldberg
	26	6214587	2001-04-10	Dattagupta
	27	6268152	2001-07-31	Fodor
	28	6280954	2001-08-28	Ulfendahl
	29	6287768	2001-09-11	Chenchik
	30	6287776	2001-09-11	Hefti
	31	6288220	2001-09-11	Kambara
	32	6291187	2001-09-18	Kingsmore
	33	6291193	2001-09-18	Khodadoust
	34	6297006	2001-10-02	Drmanac
	35	6327410	2001-12-04	Walt
	36	6355431	2002-03-12	Chee
	37	6355433	2002-03-12	Xu
	38	6429027	2002-08-06	Chee
	39	6448010	2002-09-10	Zhao
	40	6524793	2003-02-25	Chandler
	41	6531283	2003-03-11	Kingsmore
	42	6537748	2003-03-25	Goelet
✓	43	6607888	2003-08-19	Schwartz

AMS	44	6617137	2003-09-09	Dean
-----	----	---------	------------	------

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
AMS	1	20020094525	2002-07-18	McIntosh			
	2	20020102578	2002-08-01	Dickinson			
	3	20020001801	2002-01-03	Fan			
	4	20030082590	2003-05-01	Van Ness			
	5	20030087298	2003-05-08	Green			
	6	20030096235	2003-05-22	Dong			
	7	20030096986	2003-05-22	Mei			
	8	20030118998	2003-06-26	Dean			
	9	20030143587	2003-07-31	Dean			
✓	10	20030104431	2003-06-05	Van Ness			

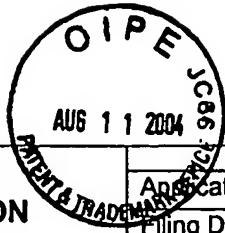
Signature

Examiner Name	Date
<i>Ar r. M</i>	2/27/2006

[illegible][illegible]

Examiner Signature		Date Considered	2/27/2006
-----------------------	---	--------------------	-----------

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.58. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Substitute for form 1449/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/600,634		
		Filing Date	06/20/03		
		First Named Inventor	Gunderson et al.		
		Art Unit	1632 1637		
		Examiner Name	To be assigned		
Sheet	2	of	2	Attorney Docket Number	01-00003

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AMB	3	DONG, S. et al., "Flexible Use of High-Density Oligonucleotide Arrays for Single-Nucleotide Polymorphism Discovery and Validation," Genome Research, 11:1418-1424 (2001).	
AMB	4	SYVANEN, A. C., "Assessing Genetic Variation: Genotyping Single Nucleotide Polymorphisms," Nature Reviews: Genetics, 2:930-942 (2001).	

Examiner Signature	<i>AJL m. M</i>	Date Considered	2/27/2006
--------------------	-----------------	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number		10/600,634	
Filing Date		6/20/2003	
First Named Inventor		Gunderson et al.	
Art Unit		4632 1637	
Examiner Name		To be assigned	
Sheet	1	of	6
Attorney Docket Number		01-00003	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.¹	Document Number/Kind Code²	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.¹	Foreign Patent Document Country Code³-Number⁴-Kind Code⁵	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁶
AMB	1	WO-95/00669-A1	01/05/1995	Pharmacia Biotech AB; Baylor College of Medicine		
	2	WO-98/40726-A1	09/17/1998	Trustees of Tufts College		
	3	WO-98/50782-A2	11/12/1998	Trustees of Tufts College		
	4	WO-99/23256-A1	05/14/1999	Cold Spring Harbor Laboratory		
	5	WO-00/17390-A1	03/30/2000	Micromet Gesellschaft Fur Biomedizinsche Forschung MBH		
	6	WO-00/61800-A2	10/19/2000	Keygene N.V.		
	7	WO-00/63437-A2	10/26/2000	Illumina, Inc.		
	8	WO-01/83822-A2	11/08/2001	Cold Spring Harbor Laboratory		
	9	WO-02/103054-A1	12/27/2002	Rubicon Genomics, Inc.		
	10	WO-03/008624-A2	01/30/2003	Keck Graduate Institute		
	11	WO-03/033724-A2	04/24/2003	Molecular Staging, Inc.		

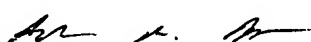
Examiner Signature	<i>Amel N. M</i>	Date Considered	2/27/2006
--------------------	------------------	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known		
				Application Number	10/600,634	
				Filing Date	6/20/2003	
				First Named Inventor	Gunderson et al.	
				Art Unit	4632 1637	
Examiner Name	To be assigned					
Sheet	2	of	6	Attorney Docket Number	01-00003	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AM/3	12	BANER, J. et al., "Signal amplification of padlock probes by rolling circle replication," Nucleic Acids Research, 26:5073-5078 (1998).	
	13	BARANY, F., "Genetic disease detection and DNA amplification using cloned thermostable ligase," Proceedings of the National Academy of Sciences USA, 88:189-193 (1991).	
	14	BARRETT, M. et al., "Genotypic analysis of multiple loci in somatic cells by whole genome amplification," Nucleic Acids Research, 23:3488-3492 (1995).	
	15	BASSAM, B. et al., "DNA Fingerprinting using Arbitrary Primer Technology (APT): A Tool or a Torment," Australasian Biotechnology, 4:232-236 (1994).	
	16	BOBROW, M. et al., "Catalyzed reporter deposition, a novel method of signal amplification. Application to immunoassays," Journal of Immunological Methods, 125:279-285 (1989).	
	17	BRADY, G., "Expression profiling of single mammalian cells—small is beautiful," Yeast, 17:211-217 (2000).	
	18	BREEN, G., "Novel and alternate SNP and genetic technologies," Psychiatric Genetics, 12:83-88 (2002).	
	19	BUTTE, A., "The Use and Analysis of Microarray Data," Nature Reviews Drug Discovery, 1:951-960 (2002).	
	20	CAI, W. et al., "Genome-wide detection of chromosomal imbalances in tumors using BAC microarrays," Nature Biotechnology, 20:393-396 (2002).	
	21	CARTER, N. P. et al., "Comparative Analysis of Comparative Genomic Hybridization Microarray Technologies: Report of a Workshop Sponsored by the Wellcome Trust," Cytometry, 49:43-48 (2002).	
↓	22	CASAS, E. et al., "Evaluation of Different Amplification Protocols for Use in Primer-Extension Preamplification," Biotechniques, 20:219-225 (1996).	


Examiner Signature		Date Considered	2/27/2006
--------------------	---	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete If Known	
				Application Number	10/600,634
				Filing Date	6/20/2003
				First Named Inventor	Gunderson et al.
				Art Unit	1632 1437
Examiner Name	To be assigned				
Sheet	3	of	6	Attorney Docket Number	01-00003

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AMB	23	CHEUNG, V. et al., "Whole genome amplification using a degenerate oligonucleotide primer allows hundreds of genotypes to be performed on less than one nanogram of genomic DNA," Proceedings of the National Academy of Sciences USA, 93:14676-14679 (1996).	
	24	CUNIN, F. et al., "Biomolecular screening with encoded porous-silicon photonic crystals," Nature Materials, 1:39-41 (2002).	
	25	DEAN, F. et al., "Comprehensive human genome amplification using multiple displacement amplification," Proceedings of the National Academy of Sciences USA, 99:5261-5266 (2002).	
	26	FEINBERG, A. et al., "A Technique for Radiolabeling DNA Restriction Endonuclease Fragments to High Specific Activity," Analytical Biochemistry, 132:6-13 (1983).	
	27	FIEGLER, H. et al., "DNA Microarrays for Comparative Genomic Hybridization Based on DOP-PCR Amplification of BAC and PAC Clones," Genes Chromosomes & Cancer, 36:361-374 (2003).	
	28	GABRIEL, S. et al., "The Structure of Haplotype Blocks in the Human Genome," Science, 296:2225-2229 (2002).	
	29	GROTHUES, D. et al., "PCR amplification of megabase DNA with tagged random primers (T-PCR)," Nucleic Acids Research, 21:1321-1322 (1993).	
	30	GUILFOYLE, R. et al., "Ligation-mediated pcr amplification of specific fragments from a Class-II restriction endonuclease total digest," Nucleic Acids Research, 25:1854-1858 (1997).	
	31	HAWKINS, T. et al., "Whole genome amplification—applications and advances," Current Opinion in Biotechnology, 13:65-67 (2002).	
	32	KITTLER, R. et al., "A Whole Genome Amplification Method to Generate Long Fragments from Low Quantities of Genomic DNA," Analytical Biochemistry, 300:237-244 (2002).	
✓	33	KLEIN, C. et al., "Comparative genomic hybridization, loss of heterozygosity, and DNA sequence analysis of single cells," Proceedings of the National Academy of Sciences USA, 96:4494-4499 (1999).	

Examiner Signature		Date Considered	2/27/2006
--------------------	---	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	10/600,634
				Filing Date	6/20/2003
				First Named Inventor	Gunderson et al.
				Art Unit	1632 / 1637
				Examiner Name	To be assigned
Sheet	4	of	6	Attorney Docket Number	01-00003

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AMB	34	LAGE, J. et al., "Whole Genome Analysis of Genetic Alterations in Small DNA Samples Using Hyperbranched Strand Displacement Amplification and Array-CGH," Genome Research, 13:294-307 (2003).	
	35	LIZARDI, P. et al., "Mutation detection and single-molecule counting using isothermal rolling-circle amplification," Nature Genetics, 19:225-232 (1998).	
	36	LUCITO, R. et al., "Genetic analysis using genomic representations," Proceedings of the National Academy of Sciences USA, 95:4487-4492 (1998).	
	37	LUCITO, R. et al., "Detecting Gene Copy Number Fluctuations in Tumor Cells by Microarray Analysis of Genomic Representations," Genome Research, 10:1726-1736 (2000).	
	38	MACKEY, J. et al., "Use of Random Primer Extension for Concurrent Amplification and Nonradioactive Labeling of Nucleic Acids," Analytical Biochemistry, 212:428-435 (1993).	
	39	O'MEARA, D. et al., "SNP typing by apyrase-mediated allele-specific primer extension on DNA microarrays," Nucleic Acids Research, 30:1-8 (2002).	
	40	PASTINEN, T. et al., "Minisequencing: A specific Tool for DNA Analysis and Diagnostics on Oligonucleotide Arrays," Genome Research, 7:606-614 (1997).	
	41	PASTINEN, T. et al., "A System for Specific, High-throughput Genotyping by Allele-specific Primer Extension on Microarrays," Genome Research, 10:1031-1042 (2000).	
	42	PETERSON, D. et al., "Integration of Cot Analysis, DNA Cloning, and High-Throughput Sequencing Facilitates Genome Characterization and Gene Discovery," Genome Research, 12:795-807 (2002).	
	43	PINKEL, D. et al., "High resolution analysis of DNA copy number variation using comparative genomic hybridization to microarrays," Nature Genetics, 20:207-211 (1998).	
	44	POLLACK, J. et al., "Genome-wide analysis of DNA copy-number changes using cDNA microarrays," Nature Genetics, 23:41-46 (1999).	

Examiner Signature	<i>AL m</i>	Date Considered	2/27/2006
--------------------	-------------	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	10/600,634
				Filing Date	6/20/2003
				First Named Inventor	Gunderson et al.
				Art Unit	1632 / 637
				Examiner Name	To be assigned
Sheet	5	of	6	Attorney Docket Number	01-00003

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AMS	45	SCHMIDT, B. et al., "Signal Amplification in the Detection of Single-copy DNA and RNA by Enzyme-catalyzed Deposition (CARD) of the Novel Fluorescent Reporter Substrate Cy3.29-tyramide," Journal of Histochemistry and Cytochemistry, 45:365-373 (1997).	
	46	SINGER, B. et al., "Libraries for genomic SELEX," Nucleic Acids Research, 25:781-786 (1997).	
	47	SNABES, M. et al., "Preimplantation single-cell analysis of multiple genetic loci by whole-genome amplification," Proceedings of the National Academy of Sciences USA, 91:6181-6185 (1994).	
	48	SPEEL, E. et al., "Amplification Methods to Increase the Sensitivity of In Situ Hybridization: Play CARD(S)," Journal of Histochemistry and Cytochemistry, 47:281-288 (1999).	
	49	SPEEL, E. et al., "Sensitive Multicolor Fluorescence In Situ Hybridization Using Catalyzed Reporter Deposition (CARD) Amplification," Journal of Histochemistry and Cytochemistry, 45:1439-1446 (1997).	
	50	SPEEL, E. et al., "A Novel Fluorescence Detection Method for In Situ Hybridization, Based on the Alkaline Phosphatase-Fast Red Reaction," Journal of Histochemistry and Cytochemistry, 40:1299-1308 (1992).	
	51	SYVANEN, A. et al., "A Primer-Guided Nucleotide Incorporation Assay in the Genotyping of Apolipoprotein E," Genomics, 8:684-692 (1990).	
	52	SYVANEN, A. et al., "Detection of Point Mutations by Solid-Phase Methods," Human Mutation 3:172-179 (1994).	
	53	TELENIUS, H. et al., "Degenerate Oligonucleotide-Primed PCR: General Amplification of Target DNA by a Single Degenerate Primer," Genomics, 13:718-725 (1992).	
	54	UNRAU, P. et al., "Non-cloning amplification of specific DNA fragments from whole genomic DNA digests using DNA 'indexers'," Gene, 145:163-169 (1994).	
	55	WALKER, G.T et al., "Strand displacement amplification--an isothermal, in vitro DNA amplification technique," Nucleic Acids Research, 20:1691-1696 (1992).	

Examiner Signature	<i>AP R. B.</i>	Date Considered	2/27/2006
--------------------	-----------------	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Complete if Known		
			Application Number	10/600,634	
			Filing Date	6/20/2003	
			First Named Inventor	Gunderson et al.	
			Art Unit	1632-1437	
			Examiner Name	To be assigned	
Sheet	6	of	6	Attorney Docket Number	01-00003

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AMZ	56	WALKER, G. T. et al., "Isothermal in vitro amplification of DNA by a restriction enzyme/DNA polymerase system," Proceedings of the National Academy of Sciences USA, 89:392-396 (1992).	
↓	57	WEBER, J. et al., "Genotyping for Human Whole-Genome Scans: Past, Present, and Future," Advances In Genetics, 42:77-96 (2001).	
↓	58	ZHANG, L. et al., "Whole genome amplification from a single cell: Implications for genetic analysis," Proceedings of the National Academy of Sciences USA, 89:5847-5851 (1992).	

Examiner Signature	<i>A. N. M.</i>	Date Considered	2/27/2006
--------------------	-----------------	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Substitute for form 1449/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10/600,634
			Filing Date	06/20/2003
			First Named Inventor	Gunderson et al.
			Art Unit	1637
			Examiner Name	Fredman, Jeffrey Norman
Sheet 1 of 2	Attorney Docket Number		01-00003	



U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number/Kind Code ²	Publication Date (mm-dd-yyyy)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AMB	1	5,503,980	04-02-1996	Cantor	
	2	5,679,524	10-21-1997	Nikiforov et al.	
	3	6,045,994	04-04-2000	Zabeau et al.	
	4	6,100,030	08-08-2000	McCasky-Feazel et al.	
	5	6,107,023	08-22-2000	Reyes et al.	
	6	6,277,606	08-21-2001	Wigler et al.	
	7	6,361,947	03-26-2002	Dong et al.	
	8	US 2003/0162210 A1	08-28-2003	Chetverin et al.	
	9	US 2004/0018512 A1	01-29-2004	Sorge et al.	
	10	US 2004/0137473 A1	07-15-2004	Wigler et al.	
	11	US 2004/0185475 A1	09-23-2004	Cao et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² -Number ³ -Kind Code ⁴	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵

Examiner Signature	<i>AMB</i>	Date Considered	2/27/2006
--------------------	------------	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Complete if Known		
			Application Number	10/600,634	
			Filing Date	06/20/2003	
			First Named Inventor	Gunderson et al.	
			Art Unit	1637	
			Examiner Name	Fredman, Jeffrey Norman	
Sheet	2	of	2	Attorney Docket Number	01-00003

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AMB	12	KINZLER, K. et al., "Whole genome PCR: application to the identification of sequences bound by gene regulatory proteins," Nucleic Acids Research, 17(10):3645-3653 (1989).	
	13	NIKIFOROV, T. et al., "Genetic Bit Analysis: a solid phase method for typing single nucleotide polymorphisms," Nucleic Acids Research, 22(20):4167-4175 (1994).	
	14	SHUMAKER, J. et al., "Primer Extension Mutation Detection Method: A Non-Gel Based Method for Rapid Mutation Identification," The Fifth International Symposium on Human Identification, 147-151 (1994).	
	15	SHUMAKER, J. et al., "Mutation Detection by Solid Phase Primer Extension," Human Mutation, 7:346-354 (1996).	
	16	SYVANEN, A-C., "Detection of point mutations in human genes by the solid-phase minisequencing method," Clinica Chimica Acta, 226:225-236 (1994).	
✓	17	TWYMAN, R. et al., "Techniques patents for SNP genotyping," Pharmacogenomics, 4(1):67-79 (2003).	

Examiner Signature	<i>h. n. B.</i>	Date Considered	2/27/2006
-----------------------	-----------------	--------------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460